



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Joseph A. Kwak

Application No.: 10/084,043

Confirmation No.: 8075

Filed: February 27, 2002

For: METHOD FOR PHYSICAL LAYER
AUTOMATIC REPEAT REQUEST FOR
A BASE STATION

Group: 2616

Examiner: Saba Tsegaye

Our File: I-2-0203.2US

Date: July 12, 2007

INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicant wishes to bring to the Examiner's attention the material cited on the enclosed Form PTO-1449.

The listed references include references previously cited in this application.

Newly cited documents are indicated by an asterisk (*) on the enclosed Form PTO-

1449. Copies of the newly cited documents are enclosed. Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the newly cited U.S. publications and/or patent documents have not been included.

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Applicant: Joseph A. Kwak
Application No.: 10/084,043

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the Form PTO-1449 indicating his consideration of the cited materials.

Respectfully submitted,

Joseph A. Kwak

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TAM/ls
Enclosures (18)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE JUL 16 2007 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. I-2-0203.2US	SERIAL NO. 10/084,043
		APPLICANT Joseph A. Kwak	
		FILING DATE February 27, 2002	GROUP 2616

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,912,705	03/1990	Paneth et al.			
		5,101,406	03/1992	Messenger			
		5,280,498	01/1994	Tymes et al.			
		5,345,439	09/1994	Marston			
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		5,544,196	08/1996	Tiedemann, Jr. et al.			
		5,570,369	10/1996	Jokinen			
		5,648,969	07/1997	Pasternak et al.			
		5,657,325	08/1997	Lou et al.			
		5,715,260	02/1998	Black et al.			
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		5,838,267	11/1998	Wang et al.			
		5,918,156	06/1999	Tanabe			
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*		6,021,123	02/2000	Mimura			
		6,021,124	02/2000	Haartsen ³			
		6,049,549	04/2000	Ganz et al.			

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		6,064,692	05/2000	Chow			
		6,128,276	10/2000	Agee			
		6,130,918	10/2000	Humphrey et al			
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*		6,226,520	05/2001	Jeoung ¹³			
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		6,275,488	08/2001	Cudak et al.			
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		6,522,650	02/2003	Yonge et al.			
		6,529,561	03/2003	Sipola			
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		6,587,985	07/2003	Fukushima et al.			
	*	6,601,207	07/2003	Vanttinien ⁵			
	*	6,621,807	09/2003	Jung et al. ⁶			
		6,647,076	11/2003	Schenk et al.			
	*	6,671,266	12/2003	Moon et al. ⁷			
		6,735,180	05/2004	Malkamaki et al.			
		6,760,860	07/2004	Fong et al.			
	*	6,831,910	12/2004	Moon et al. ⁸			
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		2002/0191544	12/2002	Cheng et al.			
		2003/0039226	02/2003	Kwak			
FOREIGN PATENT DOCUMENTS							

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		1132772	01/2004	CN				
		0797327	09/1997	EP				
		0859475	08/1998	EP				
*		01-141431	06/1989	JP			X**	

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		07-336331	12/1995	JP			X**	
*		09-116597	05/1997	JP			X**	
		09-247209	09/1997	JP			X**	
*		09-298575	11/1997	JP			X**	
*		11-046217	02/1999	JP			X**	
*		2000-004196	01/2000	JP			X**	
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		97118086	07/1999	RU				
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		2235432	08/2004	RU				
*		97/37459	10/1997	WO ¹				
*		98/31106	07/1998	WO ¹⁴				
*		99/09698	02/1999	WO				
*		99/12303	03/1999	WO				
*		99/66675	12/1999	WO ¹²				
*		01/01624	01/2001	WO ¹⁵				
*		02/33877	04/2002	WO ¹⁶				

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(Use several sheets if necessary)			

OTHER DOCUMENTS			
EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)	
		"Hybrid ARQ Methods for FDD in Release in 2000," TSG-RAN Working Group 1 Meeting #14, Oulu, Finland, July 4-7, 2000.	
		"Physical Layer Aspects of UTRA High Speed Downlink Packet Access," 3GPP TR 25.848 V4.0.0 (2001-03), pp. 1-89.	
*		Rohling, Hermann et al. "Performance Comparison of Different Multiple Access Schemes for the Downlink of an OFDM Communication System", 1997 IEEE 47 th Vehicular Technology Conference, May 1997, vol. 3, p. 1368.	
		3GPP TR 25.848 V4.0.0 (2001-03), 3 rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical layer aspects of UTRA High Speed Downlink Packet Access (Release 4), p. 50.	
		Eriksson et al. "Comparison of Link Quality Control Strategies for Packet Data Services in EDGE." Vehicular Technology Conference, 1999 IEEE. May 16, 1999, pp. 938-942.	
		Sayeed, "Throughput Analysis and Design of Fixed and Adaptive ARQ/Diversity Systems for Slow Fading Channels." Global Telecommunications Conference, 1998. November 8, 1998, pp. 3686-3691.	
		Shiozaki et al. "A Hybrid ARQ Scheme With Adaptive Forward Error Correction for Satellite Communications." IEEE Transactions on Communications, April 1, 1991, pp. 482-484.	
		Bakhtiyari et al. "Practical Implementation of a Mobile Data Link Protocol With A Type II Hybrid ARQ Scheme and Code Combing." Personal Communication – Freedom Through Wireless Technology. Proceedings of the Vehicular Technology Conference, May 18, 1993, pp. 774-777.	
*		Kim et al. "On Hybrid ARQ of Reverse Channel in 1xEV-DV", Montreal Canada July 10, 2001, C50-20010709-019 SAMSUNG_Reverse Channel HARQ.doc	
*		3G TR 25.835 V1.0.0 (2000-09) 3 rd Generation Partnership Project; Technical Specification Group Radio Access Network; Report on Hybrid ARQ Type II/III (Release 2000).	
*		William Stallings "Networking Standards – A Guide to OSI, ISDN, LAN, and MAN Standards", p. 37, February 1993.	

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	*	Wang et al. "Error Control and Concealment for Video Communication --- A Review ¹ ".
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** Abstract Only

¹ corresponds to JP 2000-507777; ² corresponds to RU 2195768; ³ corresponds to CN 1275279; ⁴ corresponds to CN 1277766;
⁵ corresponds to RU 2001126714; ⁶ corresponds to RU 2195089; ⁷ corresponds to RU 2179370; ⁸ corresponds to RU 2210864;
⁹ corresponds to RU 2221338; ¹⁰ corresponds to RU 2221339; ¹¹ corresponds to RU 2235432; ¹² corresponds to CN 1275299;
¹³ corresponds to RU 2138125; ¹⁴ corresponds to RU 2234806; ¹⁵ corresponds to RU 2216868; ¹⁶ corresponds to RU 2236091

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